

COMPLIANCE MECHANISM FOR MANIPULATING A CONTROL OBJECT

Abstract of the Disclosure

- 5 A compliance mechanism for manipulating a control object by an end effector supported by a robotic arm. The robotic arm is supported by a combination of linear slides for two-axis freedom of movement. A locking arm is attached to the robotic arm and the locking arm is moveable between a locked and an unlocked position. The locking arm is biased in the locked position to restrict
- 10 movement of the robotic arm along the two axes. A plunger extends adjacent the end effector. Upon engagement with an alignment feature associated with the control object, the plunger moves the locking arm from the locked to the unlocked position, thereby introducing compliance along the two axes manipulation of the control object.